

# FIG. 1

FLK-1 866 ILIHIGHHLNVNLLGACTKPGGPLMVIVEFSKFGNLSTYLRGKRNEFVPYKSKGARFRQ  
 KDR -----C--D-----S-----T-----  
 TKR-C -----C-----S

FLK-1 926 GKDYVGELSVDLKRRLDSITSSQSSASSGFVEEKSLSDVEEEEASEELYKDFTLEHLIC  
 KDR -----AIP-----P-D-----  
 TKR-C -----

FLK-1 986 YSFQVAKGMEFLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARL  
 KDR -----  
 TKR-C -----

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FIG. 2A

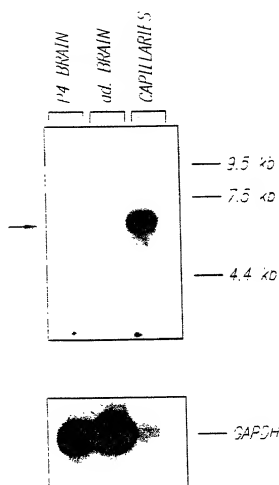
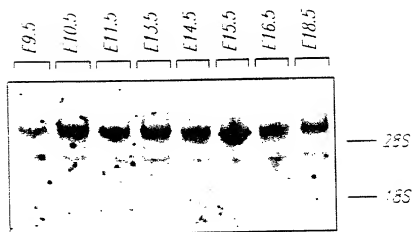
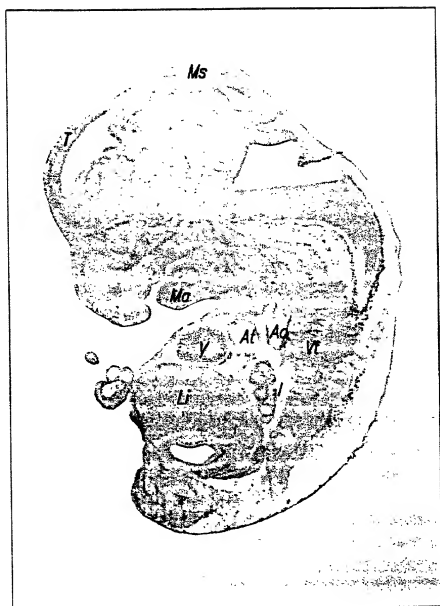


FIG. 2B

FIG. 3A



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FIG. 3B



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FIG. 3C



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FIG. 4A

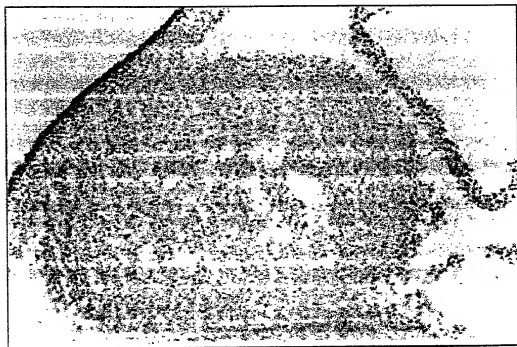
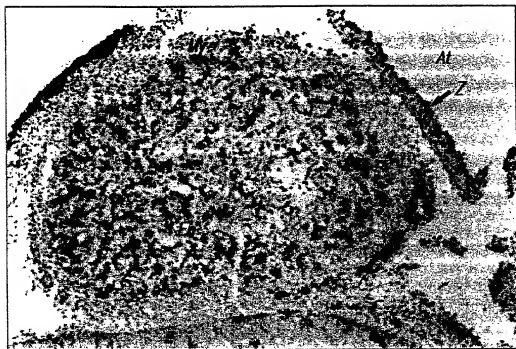


FIG. 4B

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FIG. 4C



FIG. 4D

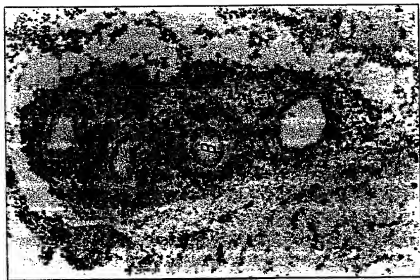


FIG. 4E

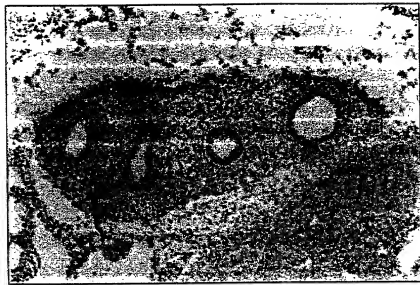


FIG. 5A

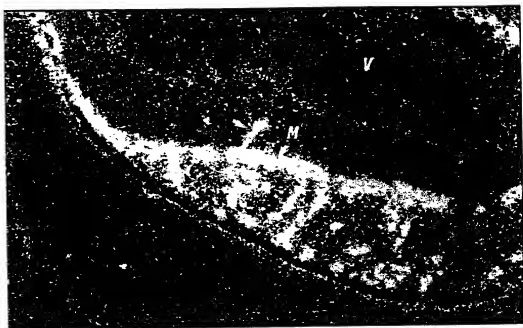


FIG. 5B

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FIG. 5C

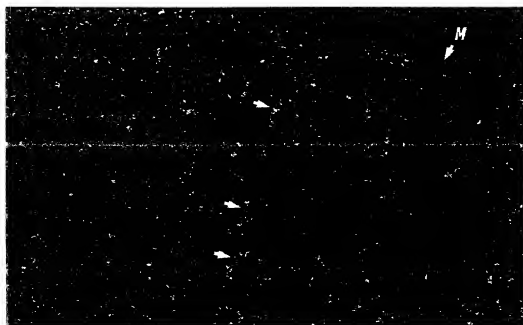
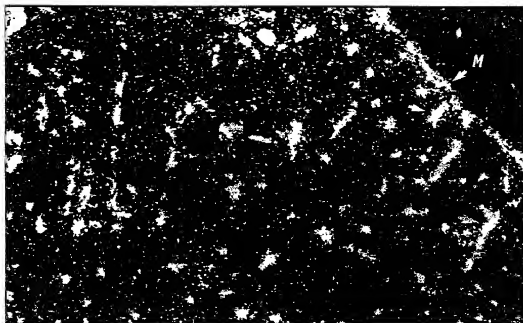


FIG. 5D

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FIG. 6A

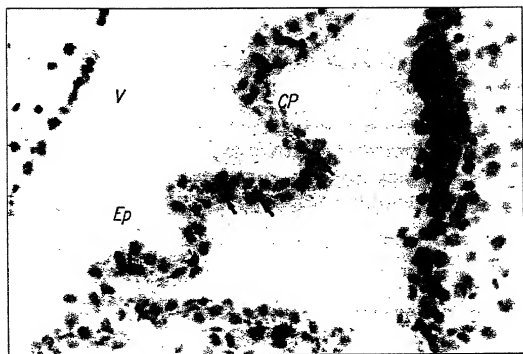
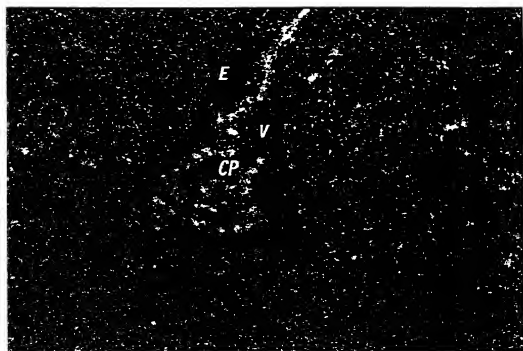


FIG. 6B

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FIG. 7A

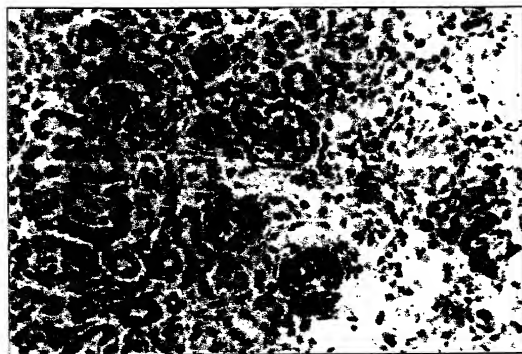
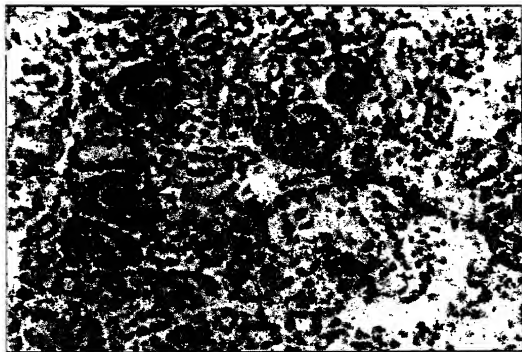


FIG. 7B

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FIG. 7C

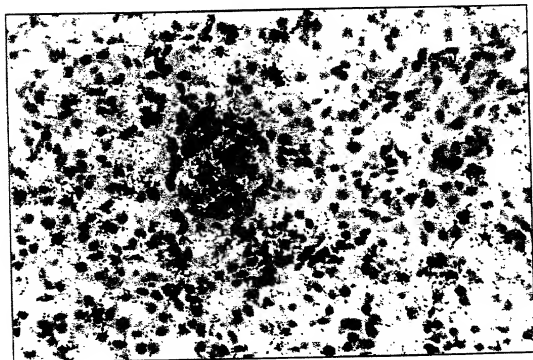


FIG. 7D

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FIG. 8A

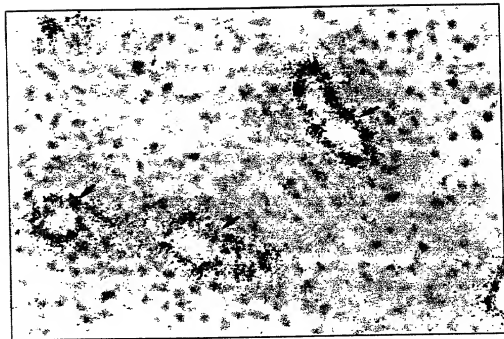


FIG. 8B

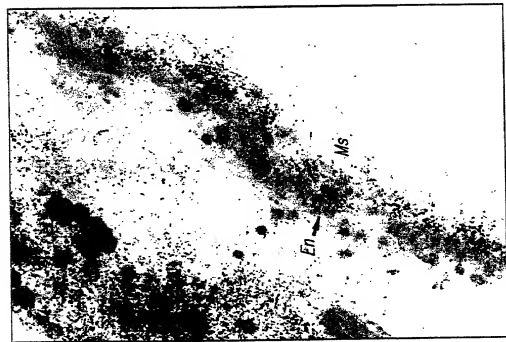


FIG. 8C

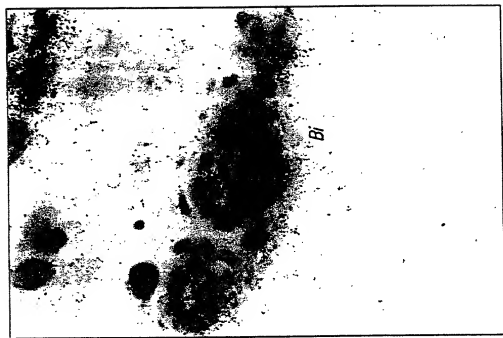


FIG. 8D

FIG. 9A

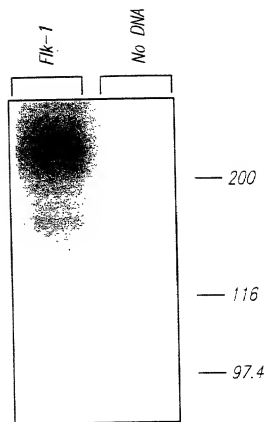


FIG. 10

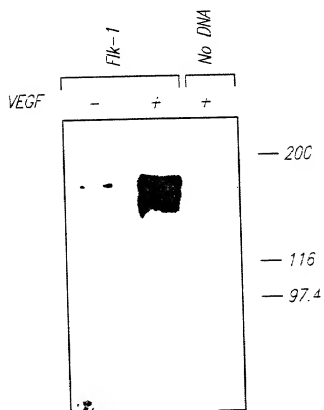


FIG. 11-1

CTGTGTCCGCGAGCCGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGACAGCCGCGGCTGGAGCCAAGG 75  
 CGCCGGTGCCTCCGCTCTCCCGGTCTTGCCTGCGGGGGCCATACCGCTCTGTGACTTCTTTCGGGGCAAG 150  
 GACGGAGAAGGAGTCTGTGCTGAGAACTGGGCTCTGTGCCAGGCGCGAGGTGCAGGATGGAGAGCAAGGCGC 225  
 M E S K A L

TGCTAGCTGTGCTCTGTGGTTCTGCGTGGAGACCCGAGCCGCTCTGTGGGTTTGACTGGCGATTTTCTCCATC 300  
 L A V A L W F C V E T R A A S V G L T G D F L H P

CCCCAAGCTCAGCACAGAAAGACATACTGACAATTTGGCAAATACAACCTTCAGATTACTTGCAGGGGAC 375  
 P K L S T Q K D I L T I L A N T T L Q I T C R G Q

AGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGAAAGGGATTGGTGACTGAATGCGGCG 450  
 R D L D W L W P N A Q R D S E E R V L V T E C G G

GTGGTGACAGTATCTTCTGAAAACTCACCATTCCAGGGTGGTGGAAATGATACCTGAGGCTCAAGTGCT 525  
 G D S I F C K T L T I P R V V G N D T G A Y K C S

CGTAGCGGGACGTGCAGATAGCCTCCACTGTTTATGTCTATGTTGAGATTACAGATCACCATTTCAGCTCTG 600  
 Y R D V D I A S T V Y V Y V R D Y R S P F I A S V

TCAGTGACGAGCATGGCATCGTGACATACCGAGAAACAAGAACTGTTGGTATCCCTGCGAGGGTCGA 675  
 S D Q H G I V Y I T E N K N K T V V I P C R G S I

TTTCAAACCTCAATGTGTCTTTTGCCTAGGTATCCAGAAAGAGATTGTTCGGATGGAACAGAAATTTCT 750  
 S N L N V S L C A R Y P E K R F V P D G N R I S W

GGGACAGCGAGATAGGCTTTACTCTCCCAGTTACATGATCAGTATGCCGGCATGGTCTTCTGTGAGGCAAGA 825  
 D S E I G F T L P S Y M I S Y A G M V F C E A K I

TCAATGATGAAACCTTACGTCTATCATGTACATAGTTGTGGTTGTAGGATATAGGATTATGATGTGATTCTGA 900  
 N D E T Y Q S I M Y I V V V V G Y R I Y D V I L S

GCCCCCGCATGAAATGAGCTATCTGCCGAGAAAAAATGTCTTAAATTGTACAGCGAGAACAGAGCTCAATG 975  
 P P H E I E L S A G E K L V L N C T A R T E L N V

TGGGGCTGATTTCACCTGGCACTCTCCACCTTCAAAGTCTCATCATAAGAAGATTGTAACCGGGATGTGAAAC 1050  
 G L D F T W H S P P S K S H H K K I V N R D V K P

CCTTCTCGGAGCTGTGGCGAAGATGTTTTGAGCACCTTGACAATAGAAAGTGTGACCAAGAGTACCAAGGG 1125  
 F P G T V A K M F L S T L T I E S V T K S D Q G E

AATACACCTGTGTAGCTCCAGTGGACGGATGATCAAGAGAAATAGAACATTTGTCCGAGTTACACAAAGCCTT 1200  
 Y T C V A S S G R M I K R N R T F V R V H T K P F

TTATTGCTTTCGGTAGTGGAGTAAATCTTTGGTGAAGCCACAGTGGGCAAGTCCGAATCCCTGTGAAGT 1275  
 I A F G S G M K S L V E A T V G S Q V R I P V K Y

ATCTCAGTTACCCAGCTCTGATATCAAATGGTACAGAAATGGAAGGCCATTGAGTCCAACCTACAAATGATTG 1350  
 L S Y P A P D I K W Y R N G R P I E S N Y T M I V

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FIG. 11-2

TTGGCGATGAACCTCACCATCATGGAAGTGACTGAAAGAGATGCAGGAAATACACGGTCATCCTCACCAACCCCA 1425  
G D E L T I M E V T E R D A G N Y T V I L T N P I

TTTCAATGGAGAAACAGAGCCACATGGTCTCTCTGGTTGTGAATGTCCACCCCCAGATCGGTGAGAAGCCTTGA 1500  
S M E K Q S H M V S L V V N V P P Q I G E K A L I

TCTCGCCTATGGATTCTCACCAGTATGGGACCATGCAGACATTGACATGCACAGTCTACGCCAACCTCCCTCTGC 1575  
S P M D S Y Q Y G T M Q T L T C T V Y A N P P L H

ACCACATCCAGTGGTACTGGCAGCTAGAAGAAGCCTGCTCTACAGACCCGGCCAAACAAGCCCGTATGCTGTGA 1650  
H I Q W Y W Q L E E A C S Y R P G Q T S P Y A C K

AAGAATGGAGACACGTGGAGGATTTCCAGGGGGGAAACAAGATCGAAGTCACCAAAAACCAATATGCCCTGATTG 1725  
E W R H V E D F Q G G N K I E V T K N Q Y A L I E

AAGGAAAAAACAACCTGTAAGTACGCTGGTTCATCCAAGCTGCCAACGTGTGAGCGTTGTACAAATGTGAAGCCA 1800  
G K N K T V S T L V I Q A A N V S A L Y K C E A I

TCAAACAAAGCGGACGAGGAGAGAGGGTCATCTCTTCCATGTGATCAGGGGTCCTGAAATACTGTGCAACCTG 1875  
N K A G R G E R V I S F H V I R G P E I T V Q P A

CTGCCAGCCAAGTACGAGGAGAGTGTGCTCCCTGTTGTGCALTCGAGACAGAAATACGTTTGAGAACCTCACGT 1950  
A Q P T E Q E S V S L L C T A D R N T F E N L T W

GGTACAAGCTTGGCTCACAGGCAACATCGGTCCACATGGGCGAATCACTCACACAGTTTGCAGAACTTGGATG 2025  
Y K L G S Q A T S V H M G E S L T P V C K N L D A

CTCTTTGAAACTGAATGGCACCATTGTTTCTAACAGCACAAATGACATCTTGATTGGCATTTCAGAATGCCT 2100  
L W K L N G T M F S N S T N D I L I V A F Q N A S

CTCTCGAGGACCAAGGCGACTATGTTTGTCTGCTCAAGATAAGAAGACCAAGAAAAGACATTTGCTGGTCAAC 2175  
L Q D Q G D Y V C S A Q D K K T K R H C L V K Q

AGCTCATCATCCTAGAGCGCATGGCACCCTATGATACCGGAAATCTGGAGAATCAGACAACAACCATTTGGCGAGA 2250  
L I I L E R M A P M I T G N L E N Q T T T I G E T

CCATTGAAGTGACTTGCCAGCATCTGGAAATCCTACCCACACATTACATGGTTCAAGACAACGAGACCTCG 2325  
I E V T C P A S G N P T P H I T W F K D N E T L V

TAGAAGATTACGGCATTGTACTGAGAGATGGGAACCGGAACCTGACTATCCGCAAGGTGAGGAAGGAGGATGGAG 2400  
E D S G I V L R D G N R N L T I R R V R K E D G G

GCCTCTACACCTGCCAGGCTGCAATGTCTTGGCTGTGCAAGAGCGGAGACGCTCTTCATAATAGAAGGTGCC 2575  
L Y T C Q A C N V L G C A R A E T L F I I E G A Q

AGGAAAAGACCAACTTGAAGTCATTATCCTCGTGGCACTGCAGTGATTGCCATGTTCTTGGCTCCTTCTTG 2550  
E K T N L E V I I L V G T A V I A M F F W L L L V

TCATTGTCTACGGACGTTAAGCGGGCAATGAAGGGGAACGAAGACAGGCTACTGTCTATTGTCTATGGATC 2625  
I V L R T V K R A N E G E L K T G Y L S I V M D P

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# FIG. 11-3

CAGATGAATTGCCCTTGGATGAGCGCTGTGAACGCTTGCCCTATGATGCCAGCAAGTGGGAATCCCCAGGGACC 2700  
 D E L P L D E R C E R L P Y D A S K W E F P R D R  
 GGCTGAAACTAGGAAAACCTCTTGGCCGCGTGCCTTCGGCCAAGTGATTGAGGCAGACGCTTTTGGAAATTGACA 2775  
 L K L G K P L G R G A F G Q V I E A D A F G I D K  
 AGACAGCGACTTGCAAAACAGTAGCCGTCAAGATGTTGAAAGAAGGAGCAACACACAGCGAGCATCGAGCCCTCA 2850  
 T A T C K T V A V K M L K E G A T H S E H R A L M  
 TGTCTGAACCTAAGATCCTCATCCACATTGGTCACCATCTCAATGTGGTGAACCTCTAGGCGCTGCACCAAGC 2925  
 S E L K I L I H I G H H L N V V N L L G A C T K P  
 CGGGAGGGCTCTCATGGTGATTGCAATTCTCGAAGTTTGGAAACCTATCAACTTACTACGGGGCAAGAGAA 3000  
 G G P L M V I L Q F S K F G N L S T Y L R G K R N  
 ATGAATTTGTTCCCTATAAGAGCAAGGGGACGCTTCCGCCAGGGCAAGACTACGTTGGGAGCTCTCCGTGG 3075  
 E F V P Y K S K G A R F R Q G K D Y V G E L S V D  
 ATCTGAAAGACGCTTGGACAGCATCACCAGCAGCCAGAGCTCTGCCAGCTCAGGCTTTGTTGAGGAGAAATCGC 3150  
 L K R R L D S I T S S Q S S A S S G F V E E K S L  
 TCAGTGATGTAGAGGAAGAAGCTTCTGAAGAAGCTGACAAGGACTTCTGACCTTGGAGCATCTCATCTGTT 3225  
 S D V E E E E A S E E L Y K D F L T L E H L I C Y  
 ACAGCTTCCAAGTGCTAAGGGCATGGAGTCTTGGCATCAAGGAAGTGATCCACAGGACCTGGCAGCACGAA 3300  
 S F Q V A K G M E F L A S R K C I H R D L A A R N  
 ACATTCTCTATCGGAGAAGAATGTGGTTAAGATCTGTACTTCGGCTTG6CCCGGACATTTATAAGACCCGG 3375  
 I L L S E K N V V K I C D F G L A R D I Y K D P D  
 ATTATGTGCAAAAAGGAGATGCCGACTCCCTTTGAAGTGGATGGCCCGGAAACCATTTTGCAGAGTATACA 3450  
 Y V R K G D A R L P L K W M A P E T I F D R V Y T  
 CAATTGAGAGCATGTGGTCTTTGGTGTGTTGCTCTGGGAAATATTTTCTTAGGTGCCTCCCATACCCGTG 3525  
 I Q S D V W S F G V L L W E I F S L G A S P Y P G  
 GGGTCAAGATTGATGAAGAATTTGTAGGAGATTGAAAGAAGAACTAGAATGCGGGCTCCTGACTACACTACCC 3600  
 V K I D E E E F C R R L K E G T R M R A P D Y T T P  
 CAGAAATGTACCAGACCATGTGGACTGCTGGCATGAGGACCCCAACACAGAGACCTCGTTTTGAGAGTTGGTG 3675  
 E M Y Q T M L D C W H E D P N Q R P S F S E L V E  
 AGCATTGGGAAACCTCTGCAAGCAATGCGCAGCAGGATGGCAAGACTATATTGTTCTTCCAATGTGACAGA 3750  
 H L G N L L Q A N A Q Q D G K D Y I V L P M S E T  
 CACTGAGCATGGAAGAGGATTCTGGACTCTCCCTGCCTACCTCACCTGTTTCTGATGAGGAGGAAGGAAGTGT 3825  
 L S M E E D S G L S L P T S P V S C M E E E E E V C  
 GCGACCCCAATTTCCATTATGACAACACAGCAGGAATCAGTCATTATCTCCGAACAGTAAGCGAAGAGCCGGC 3900  
 D P K F H Y D N T A G I S H Y L Q N S K R K S R P

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# FIG. 11-4

CAGTGAAGTGTAAAAACATTTGAAGATATCCCATTGGAGGAACAGAAAGTAAAGTGATCCCAGATGACAGCCAGA 3975  
V S V K T F E D I P L E E P E V K V I P D D S Q T

CAGACAGTGGGATGGTCTCTTGCATCAGAAGAGCTGAAACTCTGGAAGACAGGAACAAATTATCTCCATCTTTTG 4050  
D S G M V L A S E E L K T L E D R N K L S P S F G

GTGGAATGATGCCAGTAAAGCAGGGAGTCTGTGGCTCGGAAGGCTCCAACAGACAGCTGGCTACCAAGTCTG 4125  
G M M P S K S R E S V A S E G S N Q T S G Y Q S G

GGTATCACTCAGATGACACAGACACCACCGTGTACTCCAGCGACGAGGCGAGGACTTTTAAAGATGGTGGATGCTG 4200  
Y H S D D T D T T V Y S S D E A G L L K M V D A A

CAGTTACGCTGACTCAGGGACCACACTGAGCTCACCTCCTGTTTAAATGGAAGTGGTCTGTCCGGCTCCGCC 4275  
V H A D S G T T L S S P P V

CCCAACTCTGGAATCACGAGAGAGGTGCTGCTTAGATTTTCAAGTGTGTCTTTCCACCACCCGGAAGTAGC 4350  
CACATTTGATTTTCATTTTGGAGGAGGGACCTCAGACTGCAAGGAGCTTGCTCCAGGGCATTTCAGAGAAGA 4425  
TGCCCATGACCAAGAATGTGTGACTCTACTCTCTTTTCATTCAATTTAAAGTCTATATAATGTGCCCTGCT 4500  
GTGGTCTCACTACCAGTTAAAGCAAAGACTTTCAAACACGTGGACTCTGTCTCCAAGAAGTGGCAACGGCACC 4575  
TCTGTGAACTGGATCGAATGGGCAATGCTTTGTGTGTTGAGGATGGGTGAGATGTCCAGGGCCGAGTCTGTCT 4650  
ACCTTGGAGGCTTTGTGGAGGATCGGGCTATGAGCCAAGTGTTAAGTGTGGGATGTGGACTGGGAGGAAGGAAG 4725  
GCGCAAGCCGTCCGGAGAGCGGTTGGAGCCTGCAGATGCATTGTGCTGGCTCTGGTGGAGGTGGGCTTTGTGGCT 4800  
GTCAGGAAACGAAAGGCGGCCGCGAGGGTTTGGTTTGAAGGTTTGCCTGCTCTCACAGTCGGGTTACAGGC 4875  
GAGTTCCTGTGGGCTTTCTACTCCTAATGAGAGTTCTTCCTGGACTCTTACGTGTCTCTGGCTGGCCCCAG 4950  
GAAGGAAATGATGCAGCTTGCTCCTCCTCATCTCTCAGGCTGTGCCTTAATTCAGAACACCAAAAGAGAGGAAC 5025  
GTCGGCAGAGGCTCTGACGGGCGCAAGAATTGTGAGAACAGAACAGAACTCAGGGTTTCTGCTGGGTGGAGA 5100  
CCCACGTGGCGCCCTGGTGGCAGGCTGAGGGTTCTCTGTCAAGTGGCGGTAAGGCTCAGGCTGGTGTCTTCC 5175  
TCTATCTCCACTCCTGTCAAGGCCCAAGTCTCAGTATTTTAGCTTTGTGGCTTCTGTGGCAGAAAAATCTT 5250  
AATTGGTTGGTTTGTCTCCAGATAATCACTAGCCAGATTTGAAATTACTTTTAGCCAGGTTATGATAACAT 5325  
CTACTGTATCTTTAGAATTTAACTATAAACTATGTCTACTGGTTTCTGCTGTGTGCTTATGTT 5393

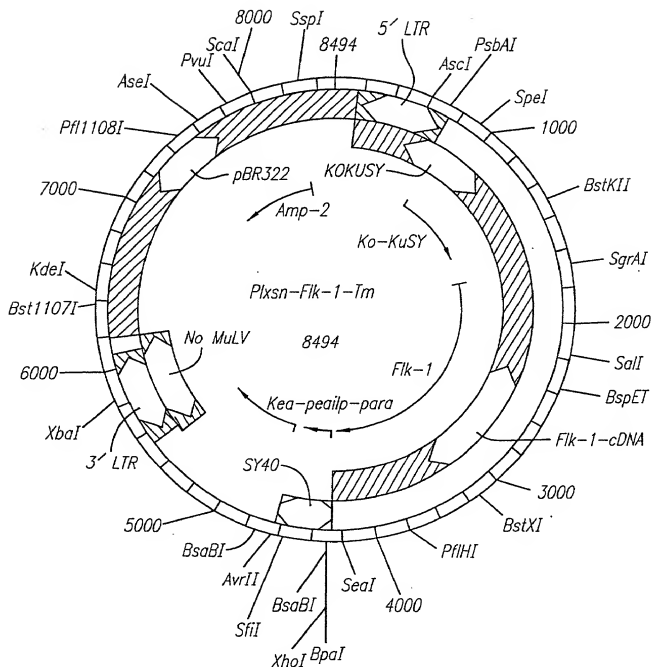


FIG. 12A

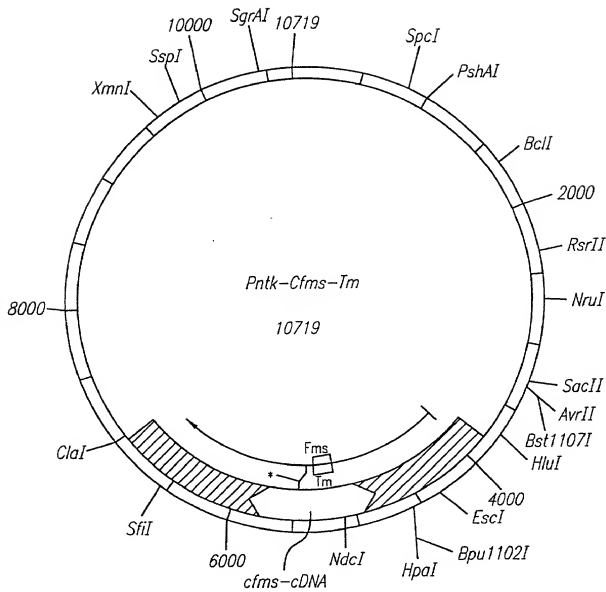


FIG. 12B

FIG. 9B

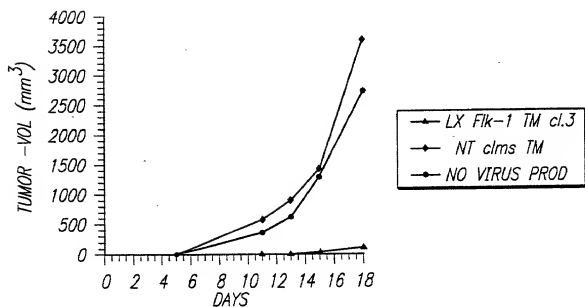
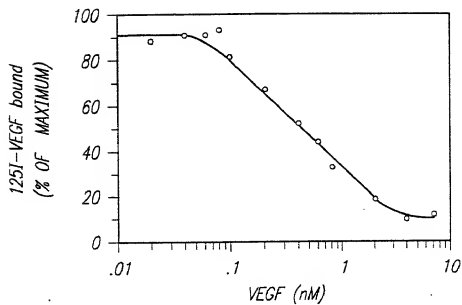


FIG. 13

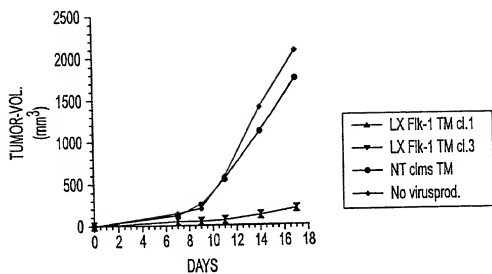


FIG. 14

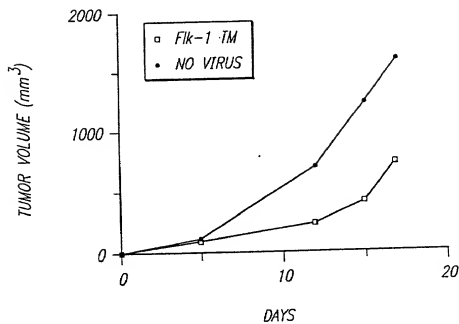


FIG. 15

FIG. 16A

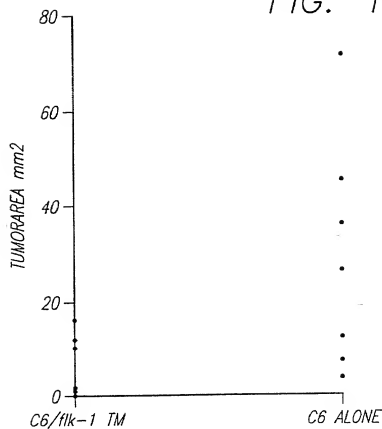


FIG. 16B

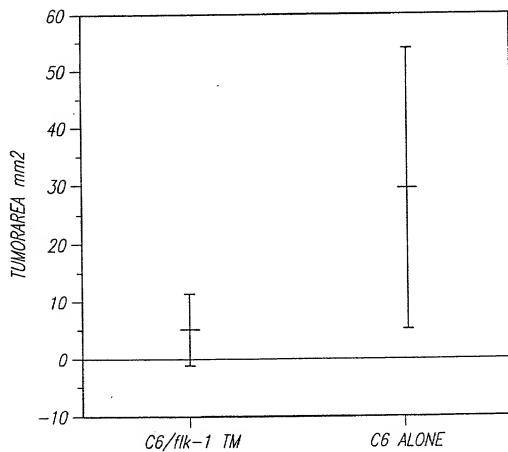
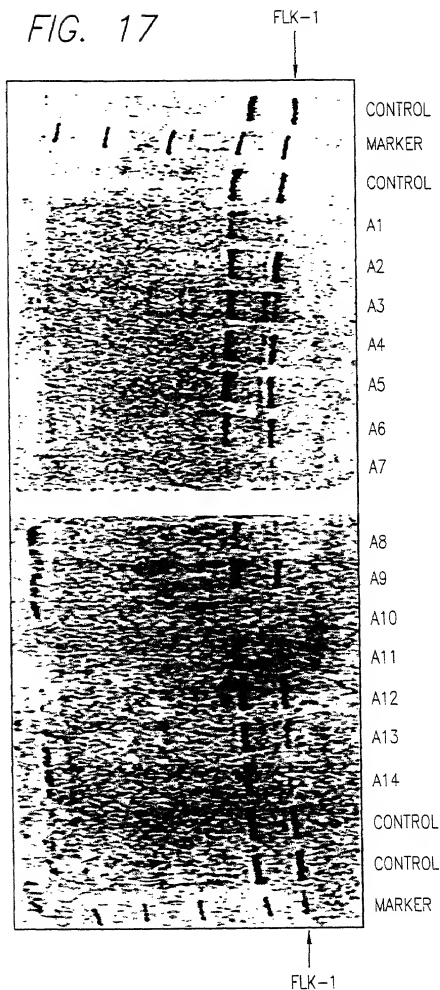




FIG. 17



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